# Microsoft Azure Security

Protecting mission-critical cloud

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Strategy



#### Microsoft Azure, a strong foundation

#### **Azure Government**

Physically separated instance of Microsoft Azure

The only hyper-scale cloud built specifically for U.S. government

Meets the most complex compliance standards

Designed to exceed U.S. government requirements

Supports the broadest selection of services, tools, and languages











#### Microsoft Azure



Productive



Hybrid

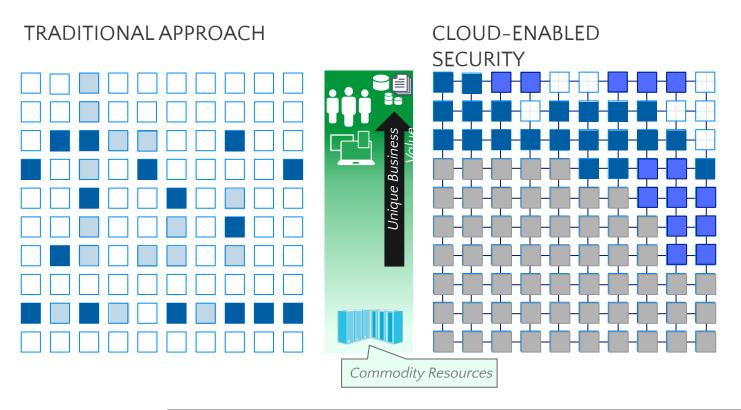


Intelligent



Trusted

#### Microsoft Azure, improving your security posture



Cloud Technology enables security to:

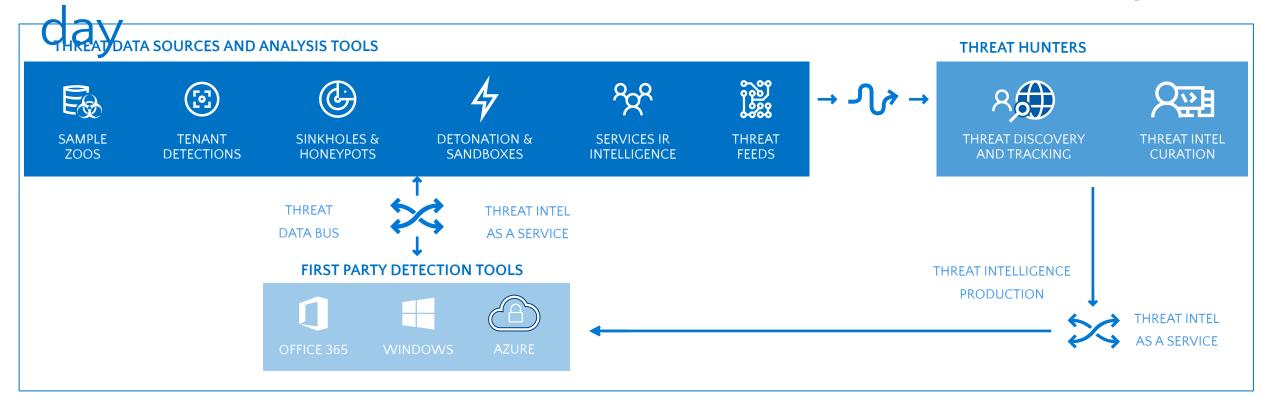
- Shift commodity responsibilities to provider and re-allocate your resources
- Leverage cloud-based security capabilities for more effectiveness
- Use Cloud intelligence improve detection/response/time

Security is a challenging and under-resourced function

Satisfied responsibility Unmet responsibility

Partially met responsibility Cloud Provider responsibility

### Microsoft Threat Intelligence, 6.5 Trillion signals per



Next-gen analytics built from security awareness and endpoint data



Enhanced correlation driven by big data + machine learning



Enables
customer-focuse
d threat
intelligence



Relevant, Accurate and Actionable intelligence – enriching the Intelligent Security Graph

# Microsoft Azure, enabling a trusted and compliant

and adaptive risk-based analysis and threat monitoring



#### Blueprints for achieving continuous compliance with industry standards and organization initiatives



#### Hyper-scale cloud with 91 compliance frameworks built-in



























Microsoft security, protecting innovation

everywhere

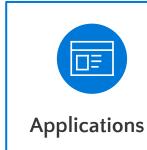


Intelligent Edge

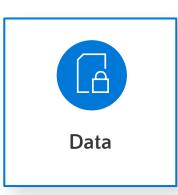


Security from chip to cloud















# Microsoft Azure HPC

Tim Carroll
Microsoft US
Director, Public Research



# Impediments to Cloud Adoption in Federal Agencies

- Primary hurdles are operational, budgetary and cultural
- Traditional scoping, budgeting and evaluation practices do not align to evaluating cloud
- Scarcity of in-house technical resources and reference customers creates challenge of "impartial" guidance
- 3 constituents: users, operations and management hold different requirements and perspectives on cloud.
   Need to align to move forward effectively
- Cloud-specific tools and data management complicate multi-cloud strategy
- The cloud providers struggle with this as well and are figuring this out as well

# If Only One Thing... Start with the Workflow

- Infrastructure is the end, not the beginning
- Cloud addresses the problem differently and impacts procurement
  - Start at workflows and work back
  - Once the workloads are understood, cost are more accurate than the traditional extrapolation method
- Greater performance and cost-efficiency will be realized in this step than any RFP, bake-off or price negotiation

